

Title: A High Impedance State for Digital Subscriber
Transceivers On Copper Twisted Pairs
Applicants: Dasari Jagadish Kumar, et al.
Serial No. 09/771,113
Attorney Docket No.: 7416/78222 - PPA2

Transceiver A

NI

Hybrid
& HPF

PRIOR ART

Figure 1: Single Transceiver on a Line

Received Power = R

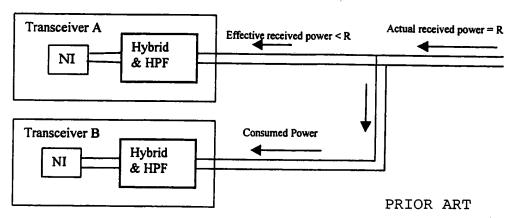


Figure 2: Attenuation of the Received Signal

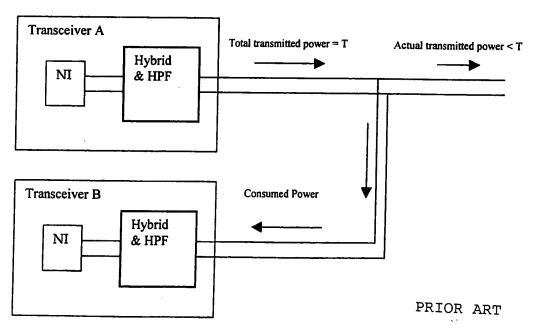


Figure 3: Attenuation of Transmitted Signal



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REPLACEMENT SHEET

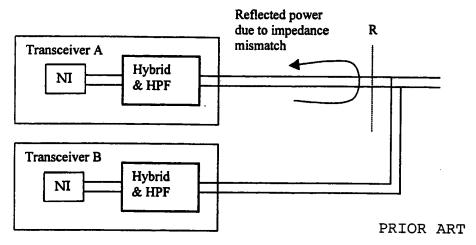


Figure 4: Echo of the Transmitted Signal

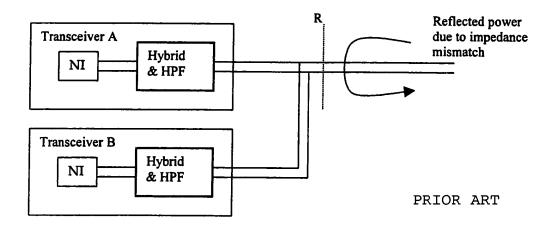


Figure 5: Echo of the Received Signal

## Legend

NI: Normal Impedance

HI: High Impedance

HPF: High Pass Filter

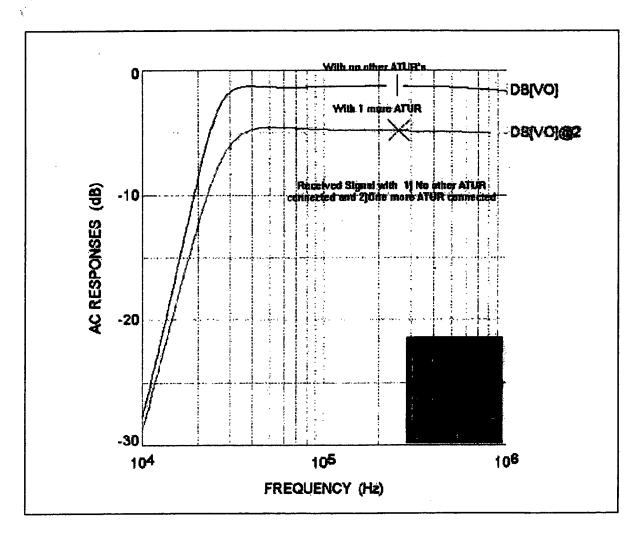
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Figure 6: Reduction in the Signal Received by the ATU-R